Instruction manual for Ostom-i™ Alert Sensor

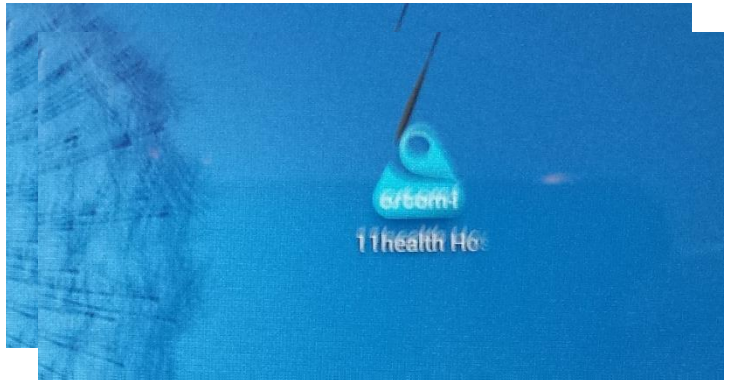
Hospital version

Brief overview

- The Ostom-i™ Hospital app is designed to do the following:
  - Enable up to 20 patients to be connected to one tablet at one time.
  - Enable each patient to have individual alarm alerts set so that anyone viewing the tablet will know which patient has what output at what time.
  - Enable individual patient reporting and monitoring of ostomy output. This is measured by recording time of output and volume.
  - Enable reporting to be in a graphical format that can be viewed over whatever period the doctor decides.
  - Enable the data to send directly to the doctor or to the patient's notes for recording purposes.
  - Enable access to historical data held on the 11health website http://www.11health.com that has a secure log in for patient and doctor access.

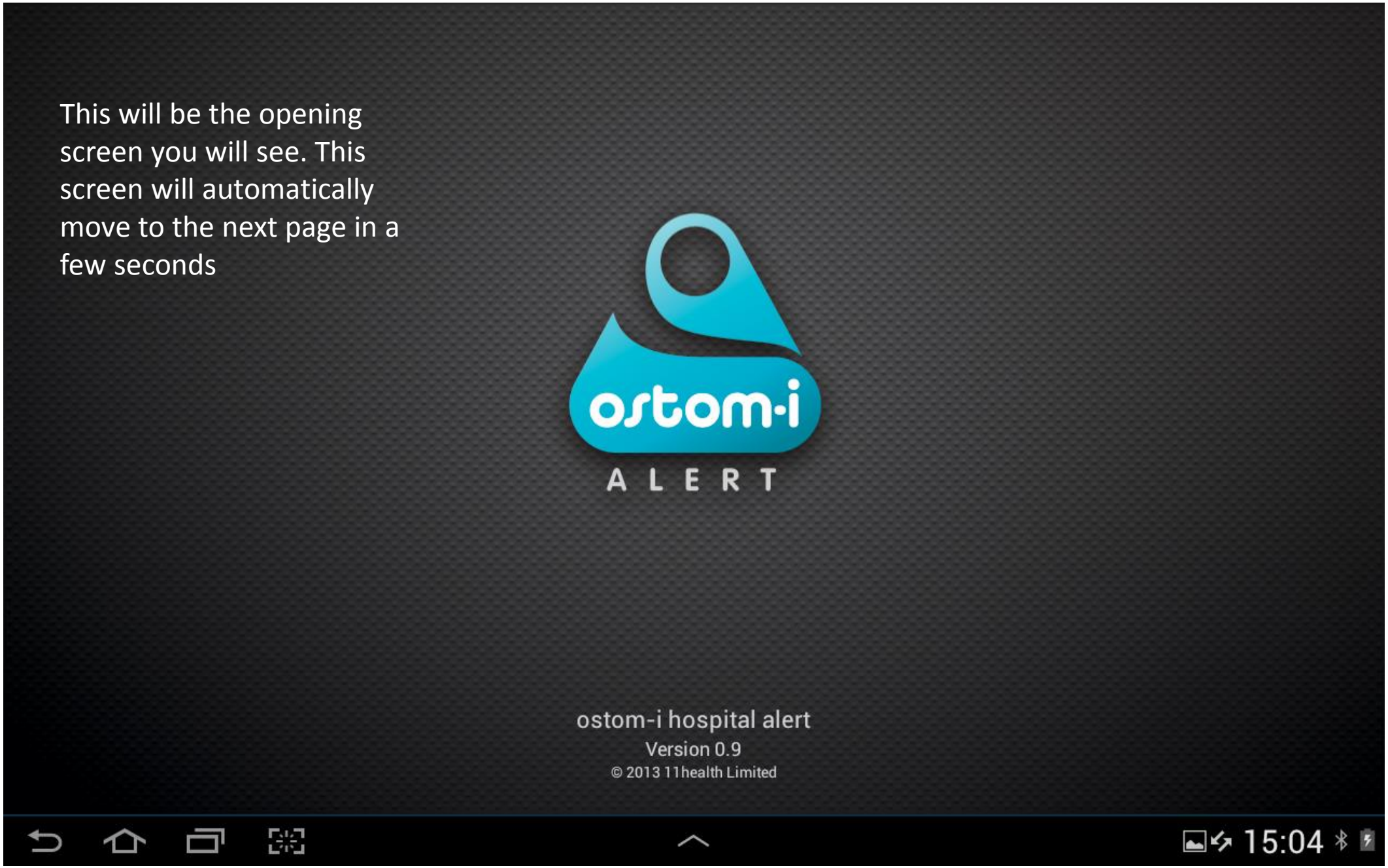
Your tablet will arrive in a box like this.

Take out the tablet and press the button on the top of the tablet here

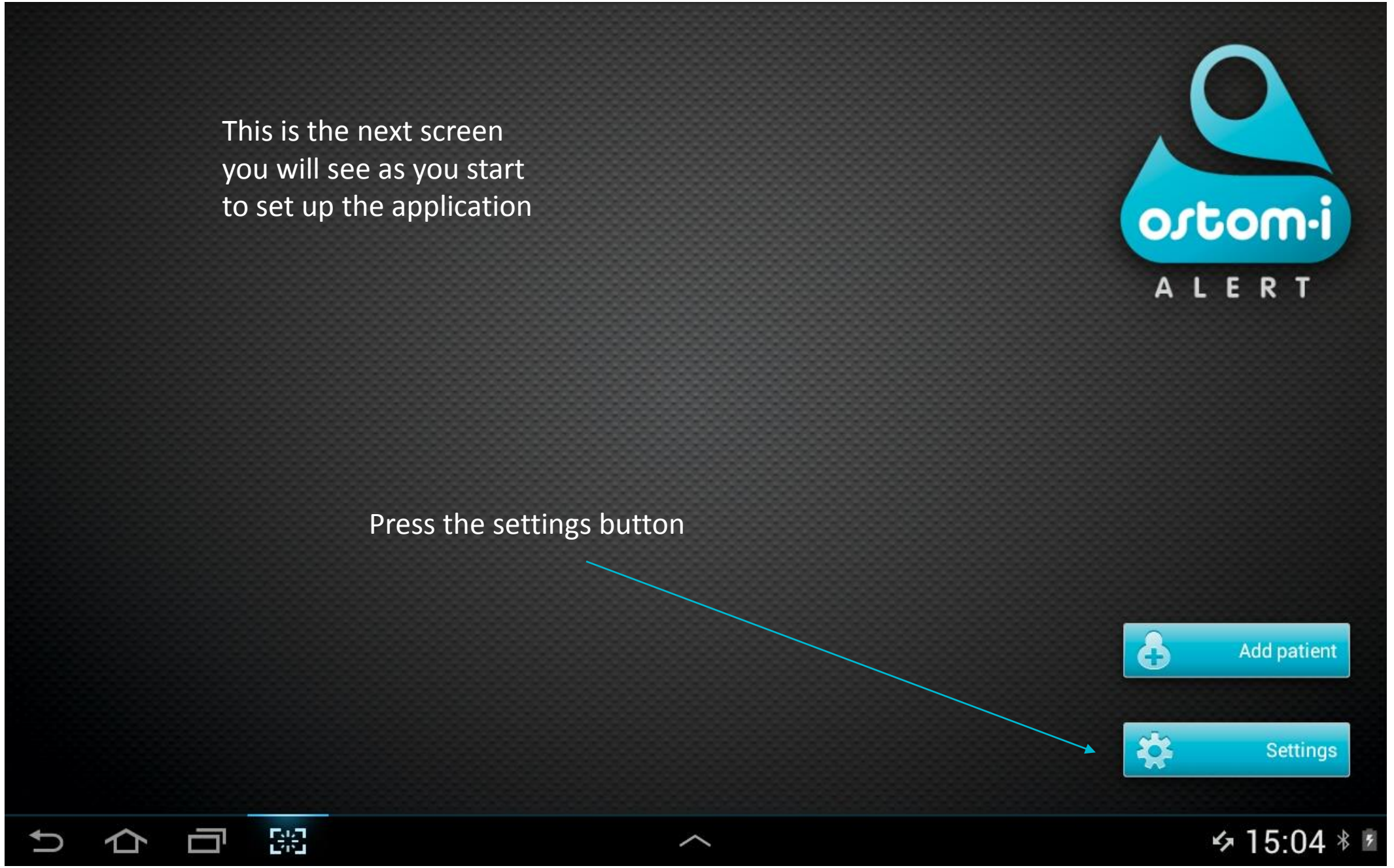


The Ostom-i™ App will appear on the screen – double click on the app

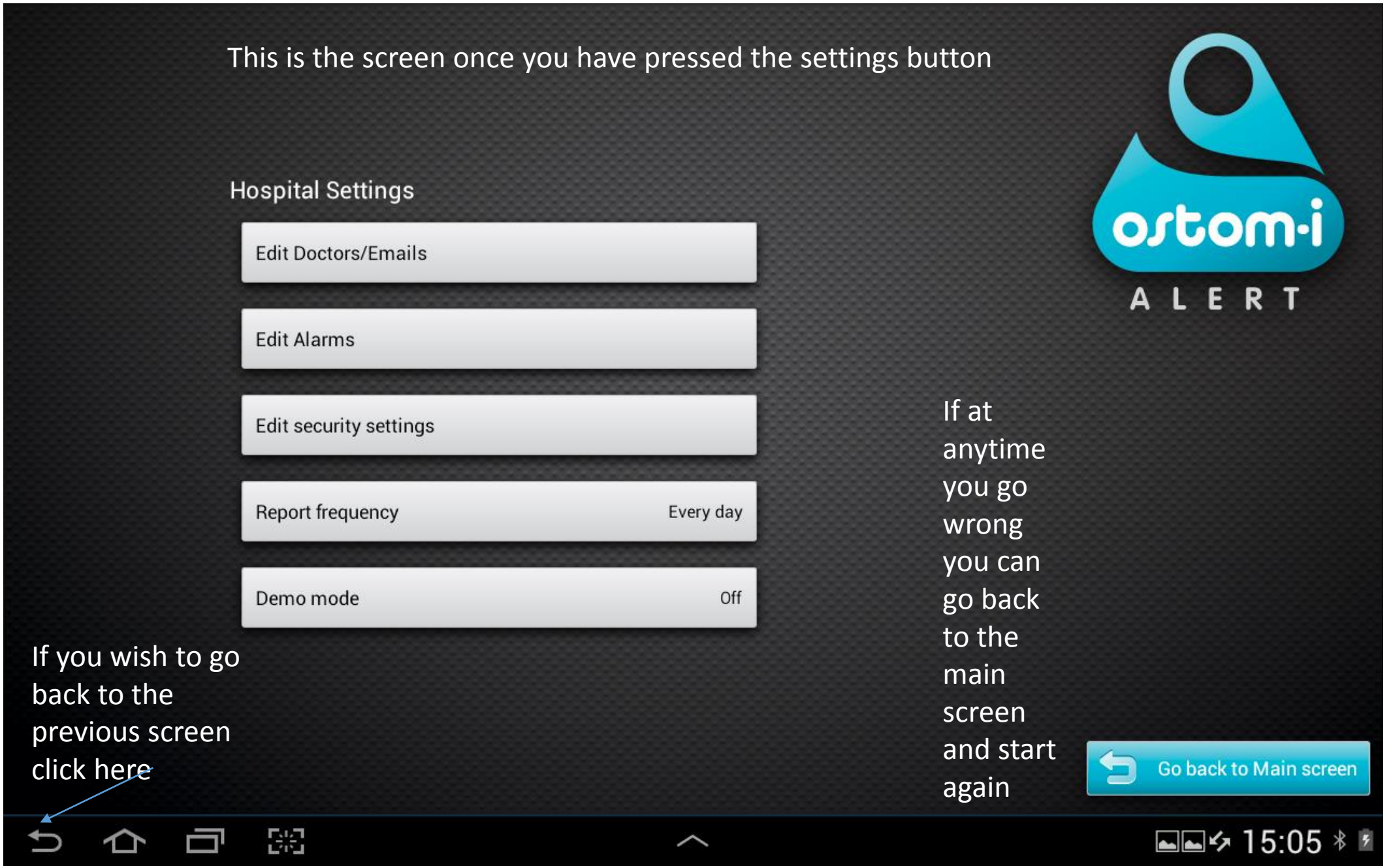
This will be the opening screen you will see. This screen will automatically move to the next page in a few seconds



This is the next screen
you will see as you start
to set up the application

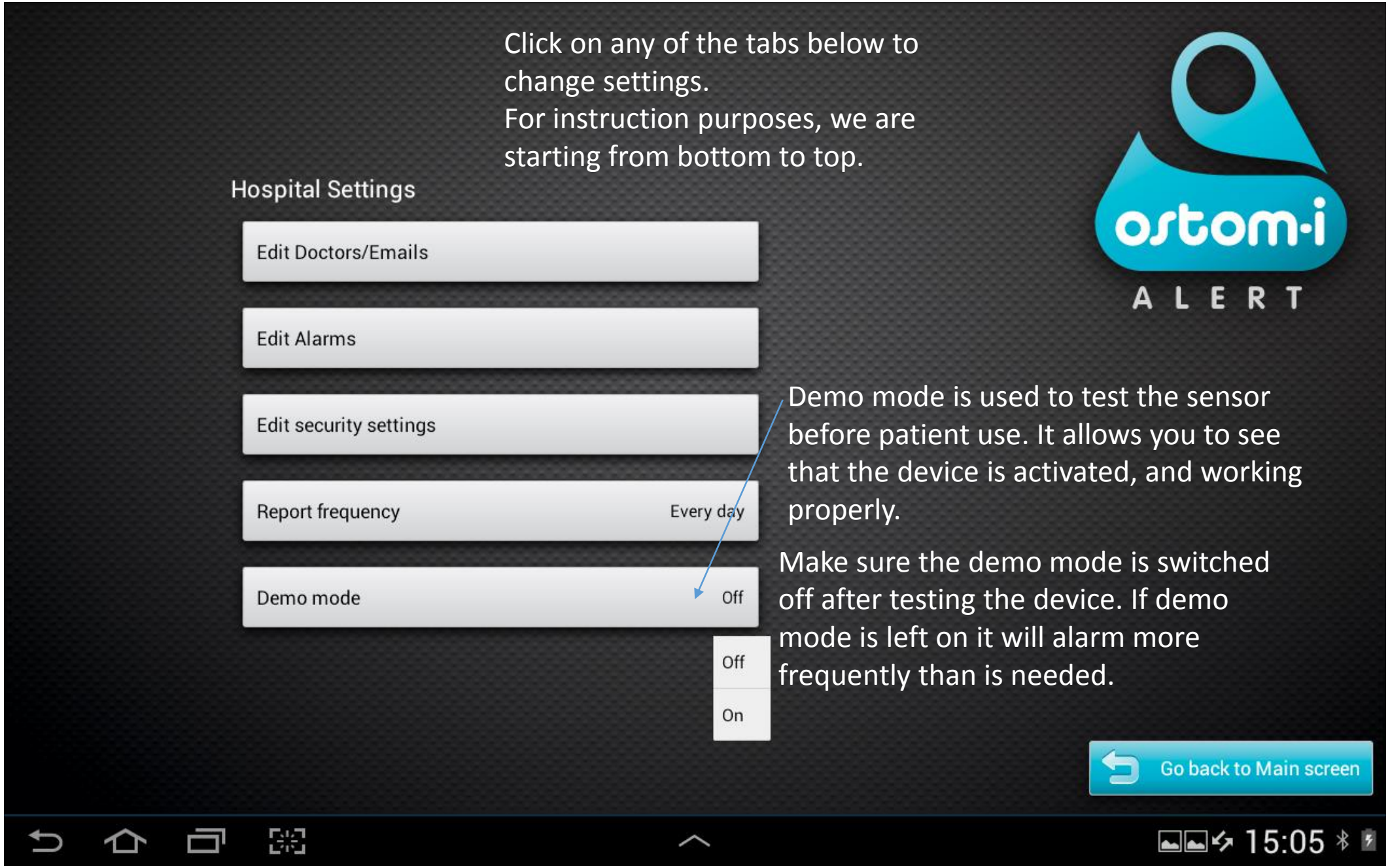


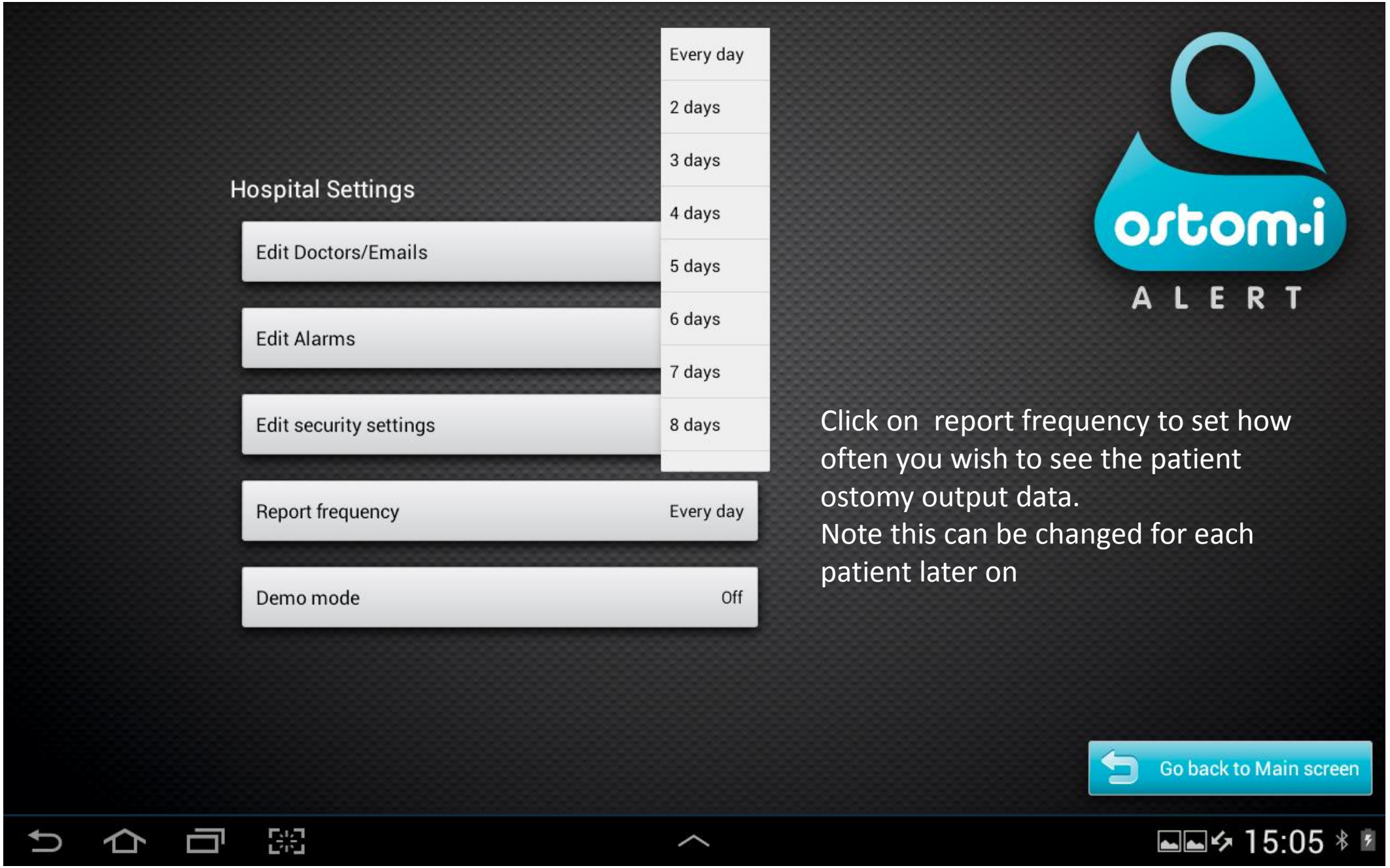
This is the screen once you have pressed the settings button



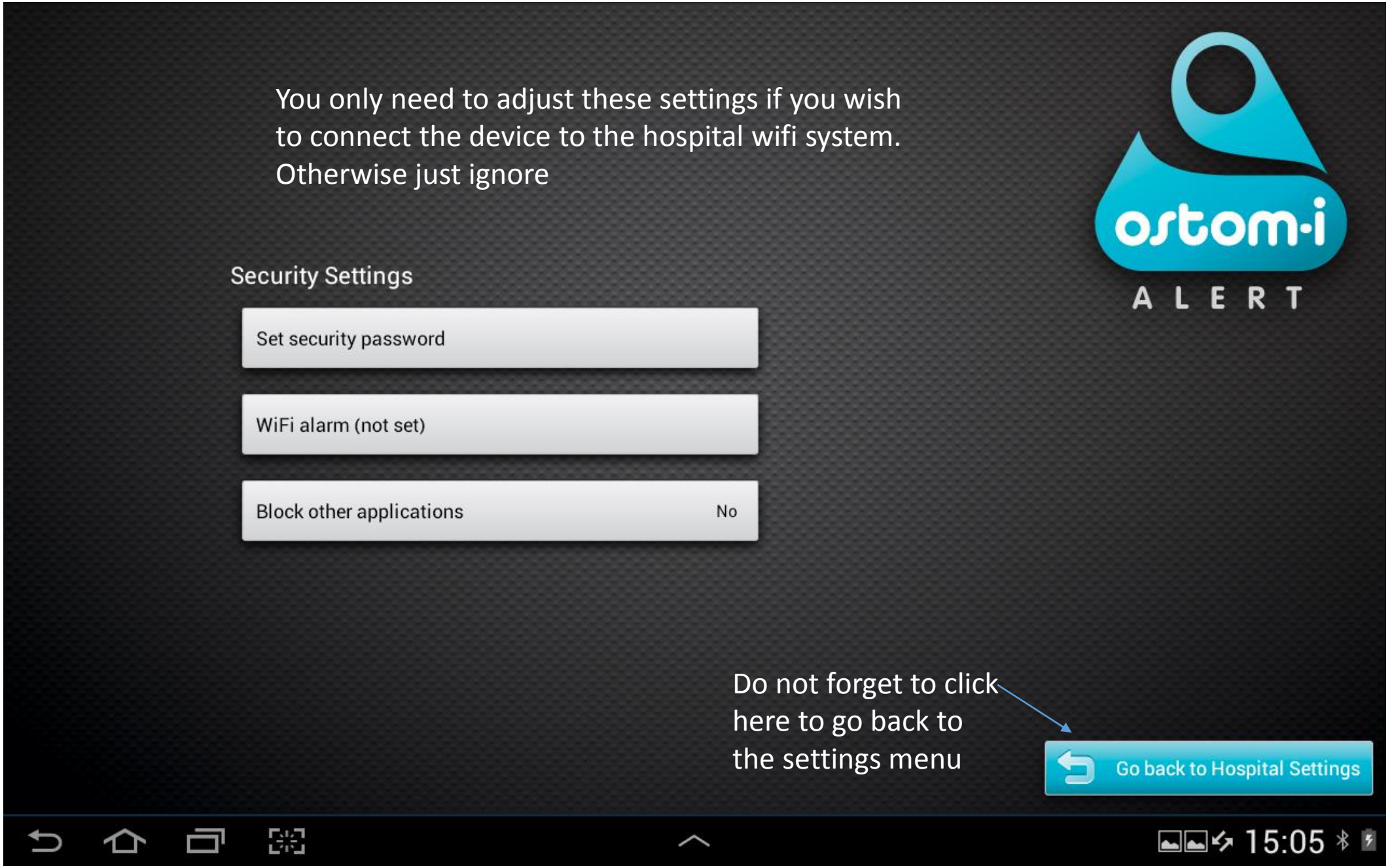
If you wish to go back to the previous screen click here

If at anytime you go wrong you can go back to the main screen and start again

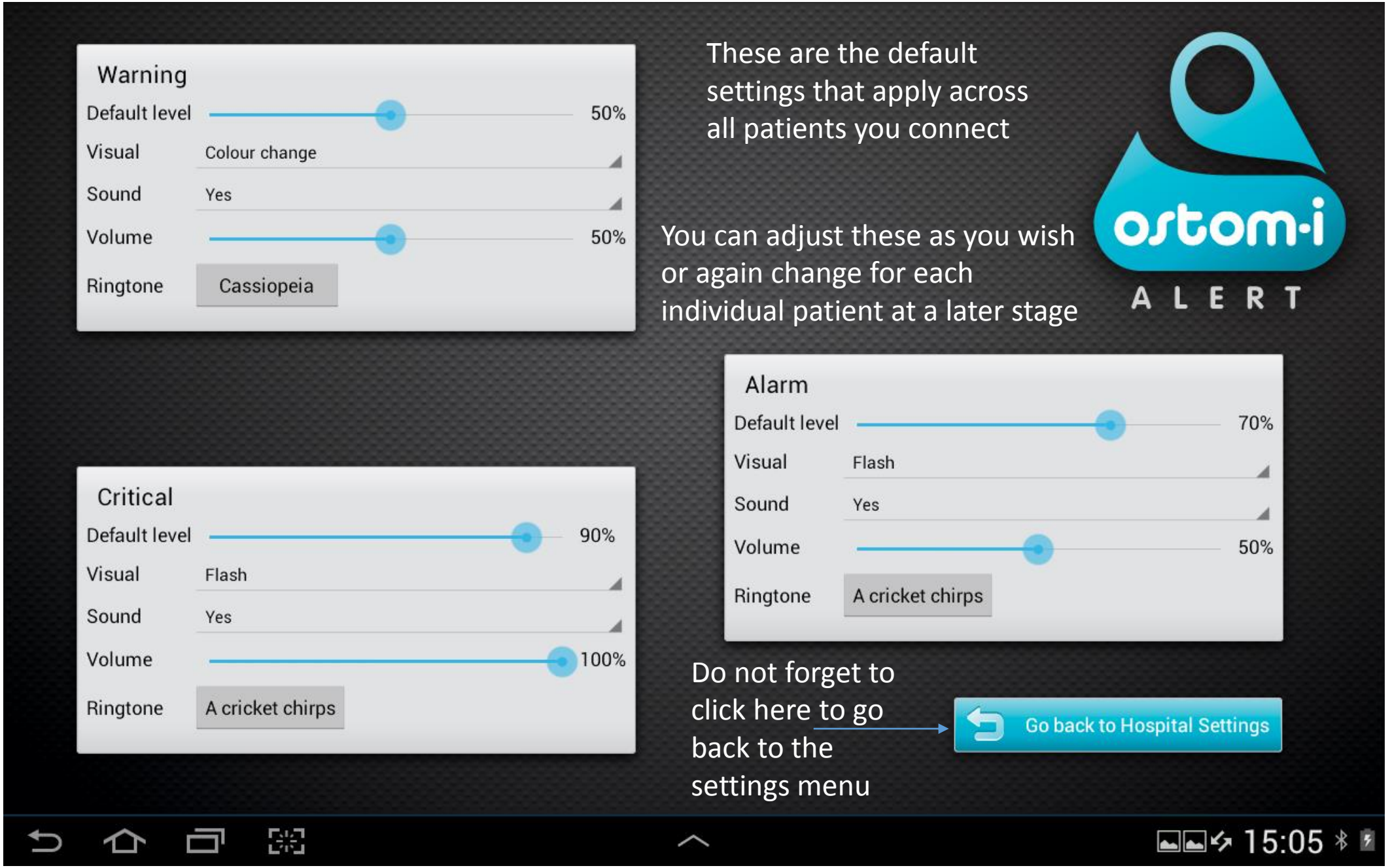

Click on any of the tabs below to change settings.
For instruction purposes, we are starting from bottom to top.
ostom-i
ALERT
Hospital Settings
Edit Doctors/Emails
Edit Alarms
Edit security settings
Report frequency
Every day
Demo mode
Off
Off
On
Demo mode is used to test the sensor before patient use. It allows you to see that the device is activated, and working properly.
Make sure the demo mode is switched off after testing the device. If demo mode is left on it will alarm more frequently than is needed.
Go back to Main screen
15:05

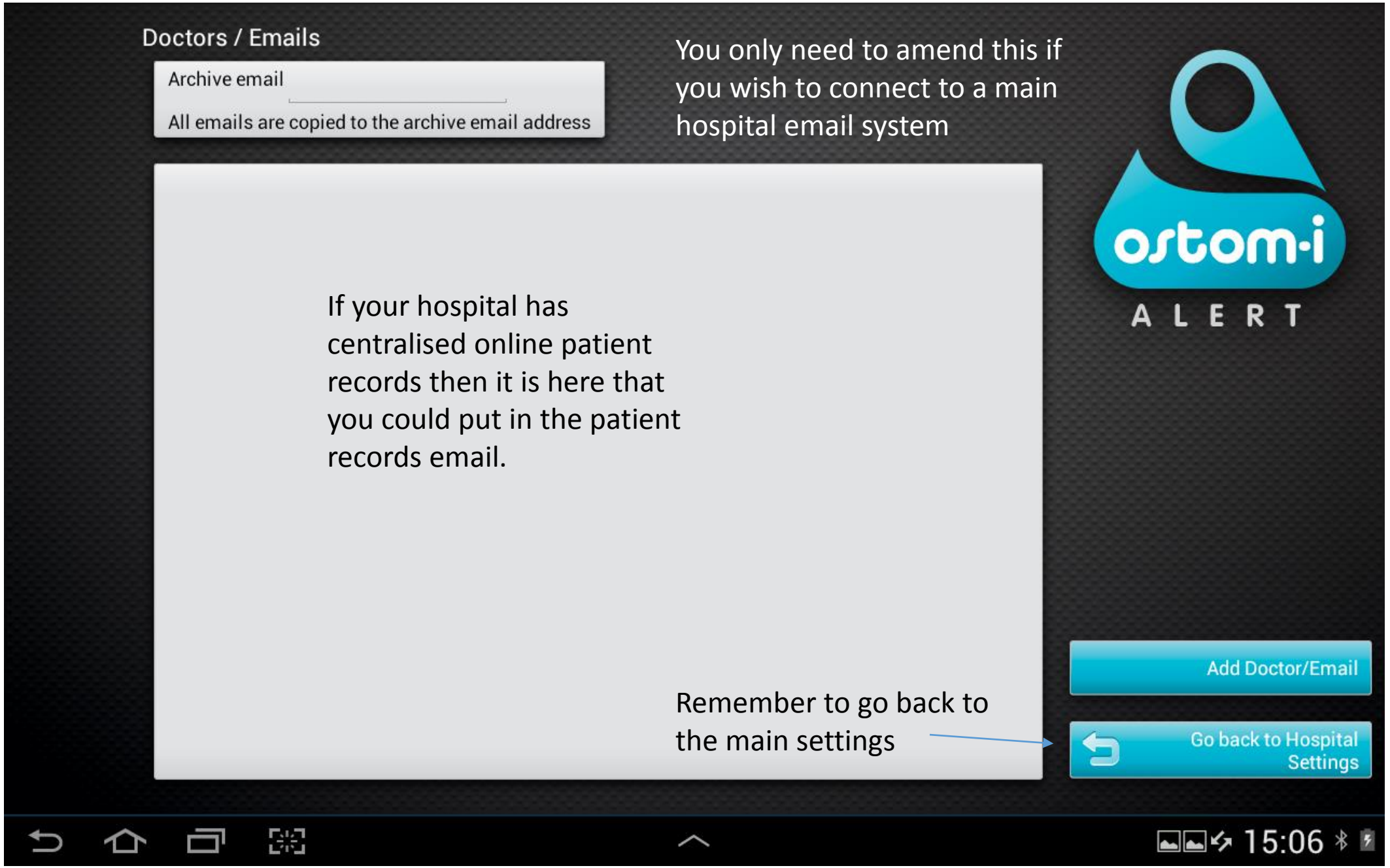

Hospital Settings
Edit Doctors/Emails
Edit Alarms
Edit security settings
Report frequency
Every day
Demo mode
Off
Every day
2 days
3 days
4 days
5 days
6 days
7 days
8 days
ostom-i
ALERT
Click on report frequency to set how often you wish to see the patient ostomy output data.
Note this can be changed for each patient later on
Go back to Main screen
15:05

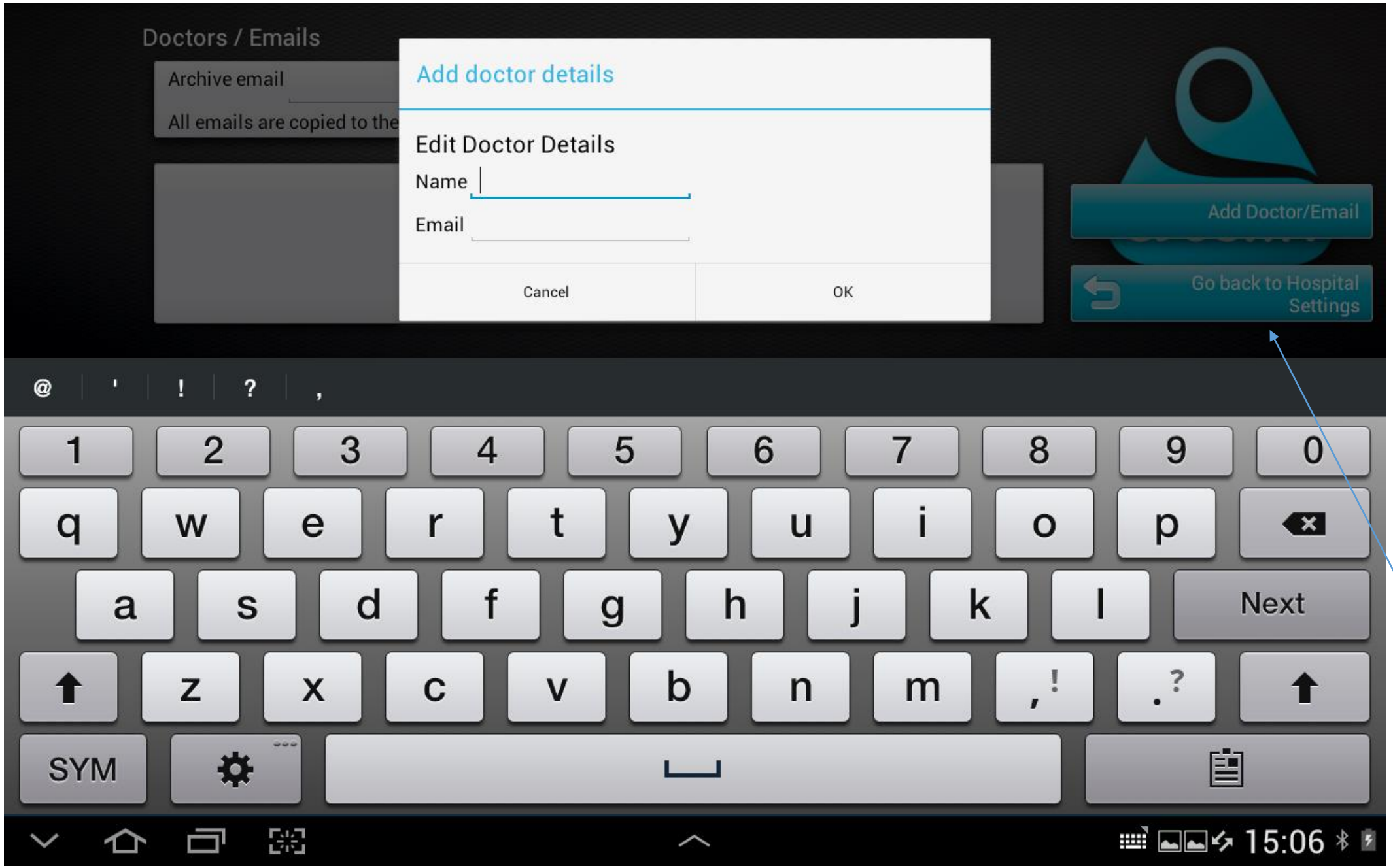
You only need to adjust these settings if you wish to connect the device to the hospital wifi system. Otherwise just ignore



Do not forget to click here to go back to the settings menu


Warning
Default level
50%
Visual
Colour change
Sound
Yes
Volume
50%
Ringtone
Cassiopeia
These are the default settings that apply across all patients you connect
You can adjust these as you wish or again change for each individual patient at a later stage
ostom-i
ALERT
Alarm
Default level
70%
Visual
Flash
Sound
Yes
Volume
50%
Ringtone
A cricket chirps
Critical
Default level
90%
Visual
Flash
Sound
Yes
Volume
100%
Ringtone
A cricket chirps
Do not forget to click here to go back to the settings menu
Go back to Hospital Settings
15:05


Doctors / Emails
Archive email
All emails are copied to the archive email address
You only need to amend this if you wish to connect to a main hospital email system
ostom-i
ALERT
If your hospital has centralised online patient records then it is here that you could put in the patient records email.
Add Doctor/Email
Remember to go back to the main settings
Go back to Hospital Settings
15:06

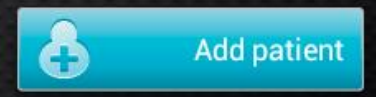


Should you wish to enter the email then click the tab and this is the screen you will see. The keyboard will automatically appear.

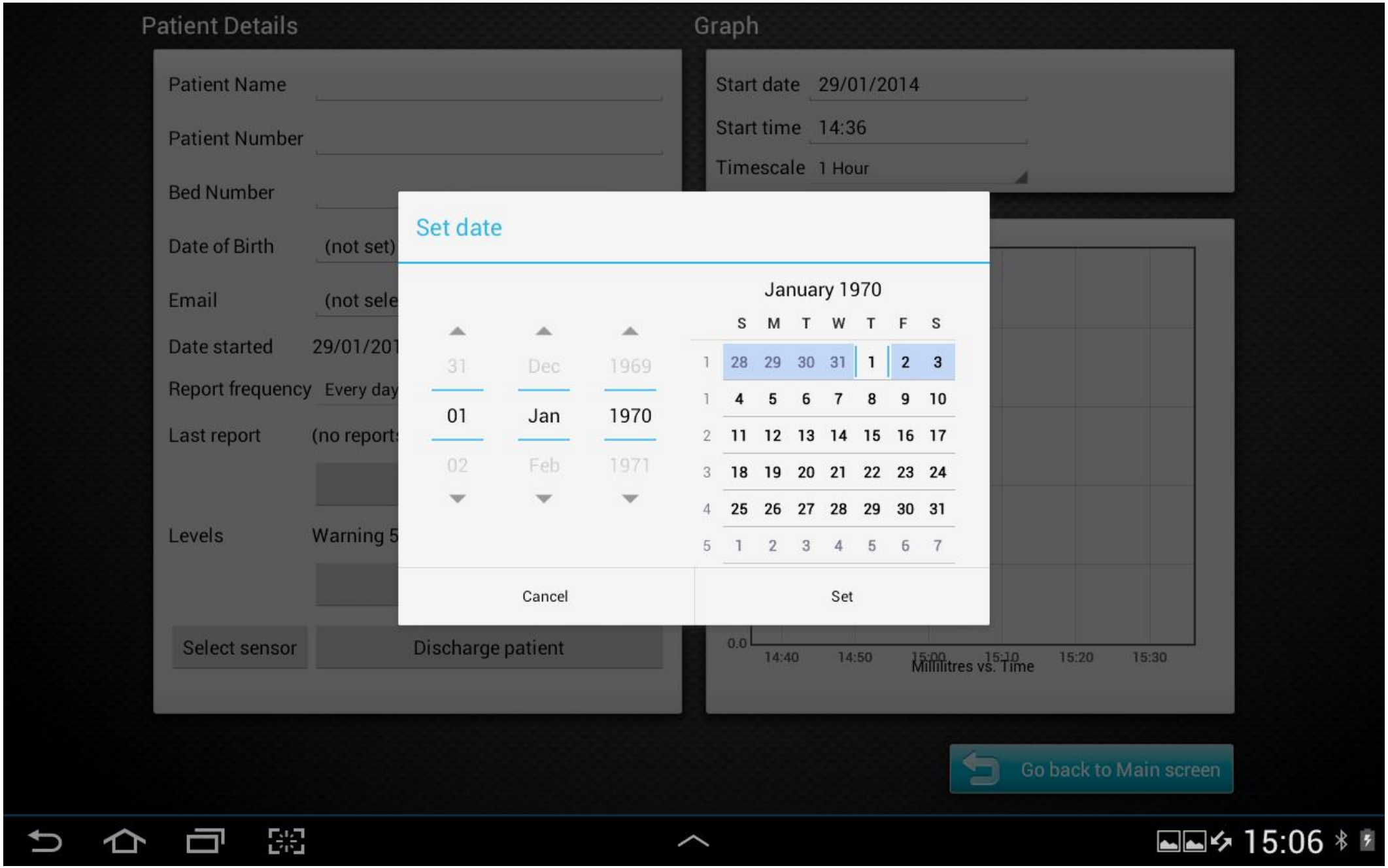
Go back to main menu when you are finished

The next screen you will see is this one

You are now ready to add
a patient so click here



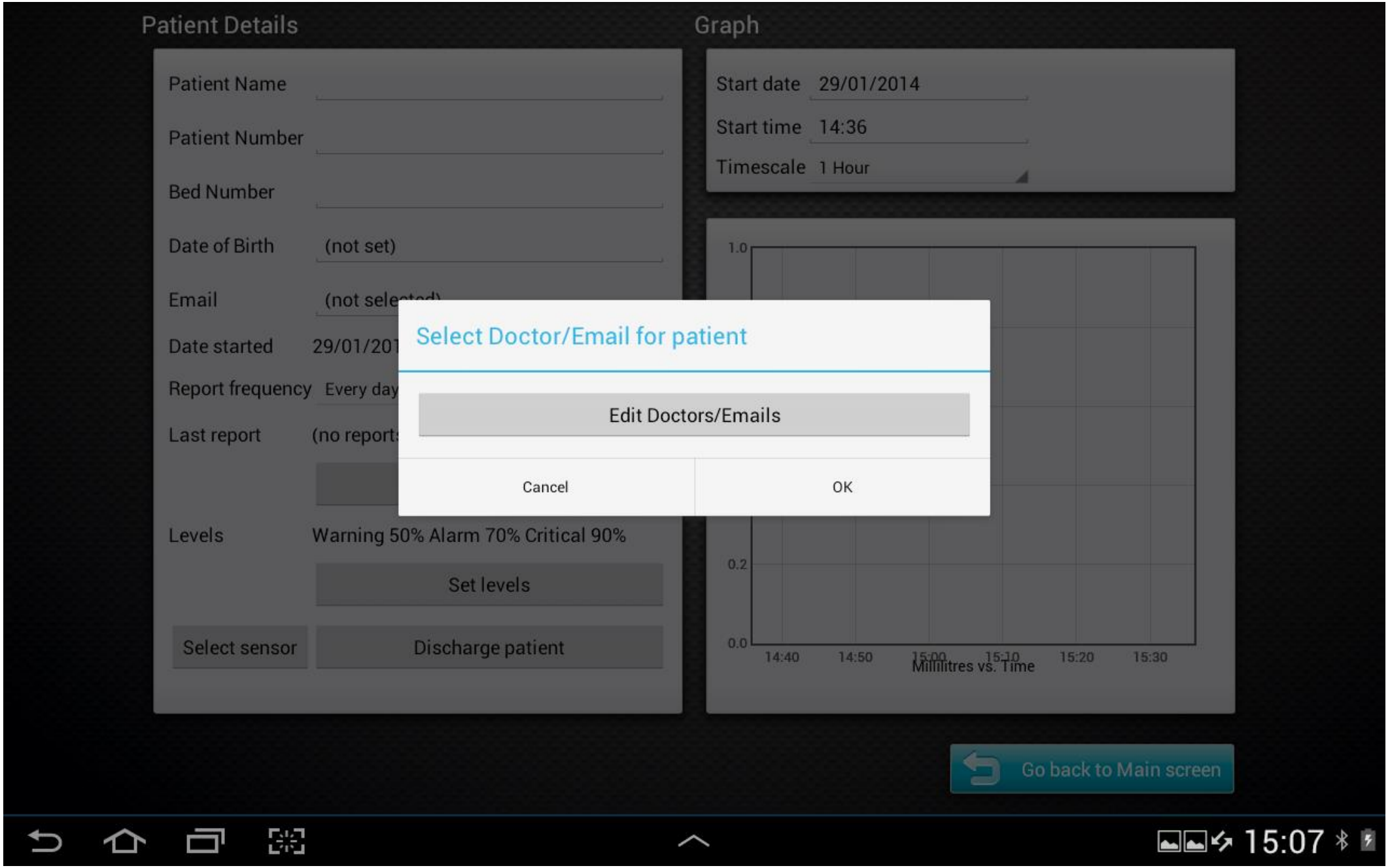
This is the screen you will see when you click ‘add a patient’



The two key things you need to enter to connect the sensor device are:

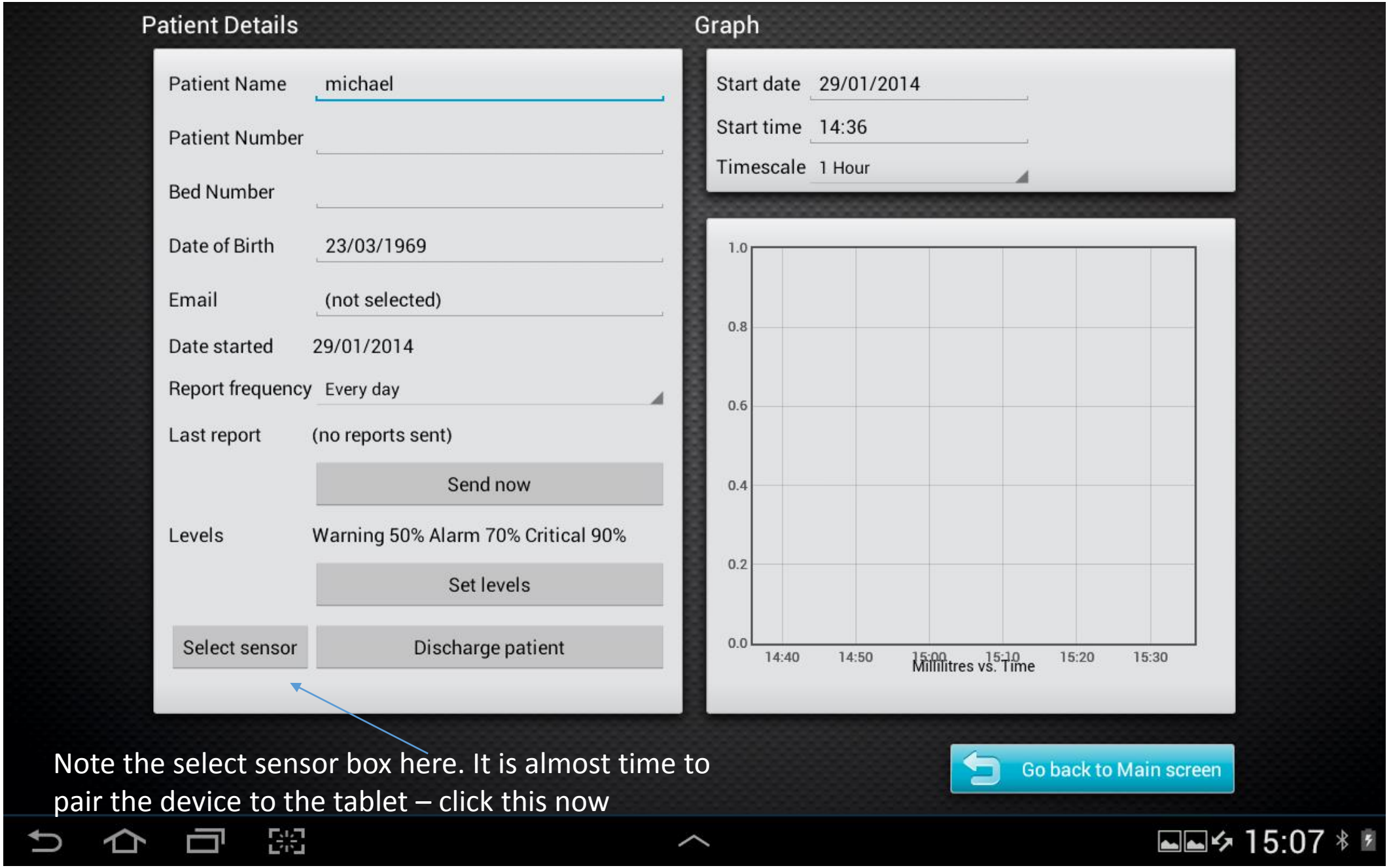
1. Patient name
2. Date of birth

You can enter the other details if you wish



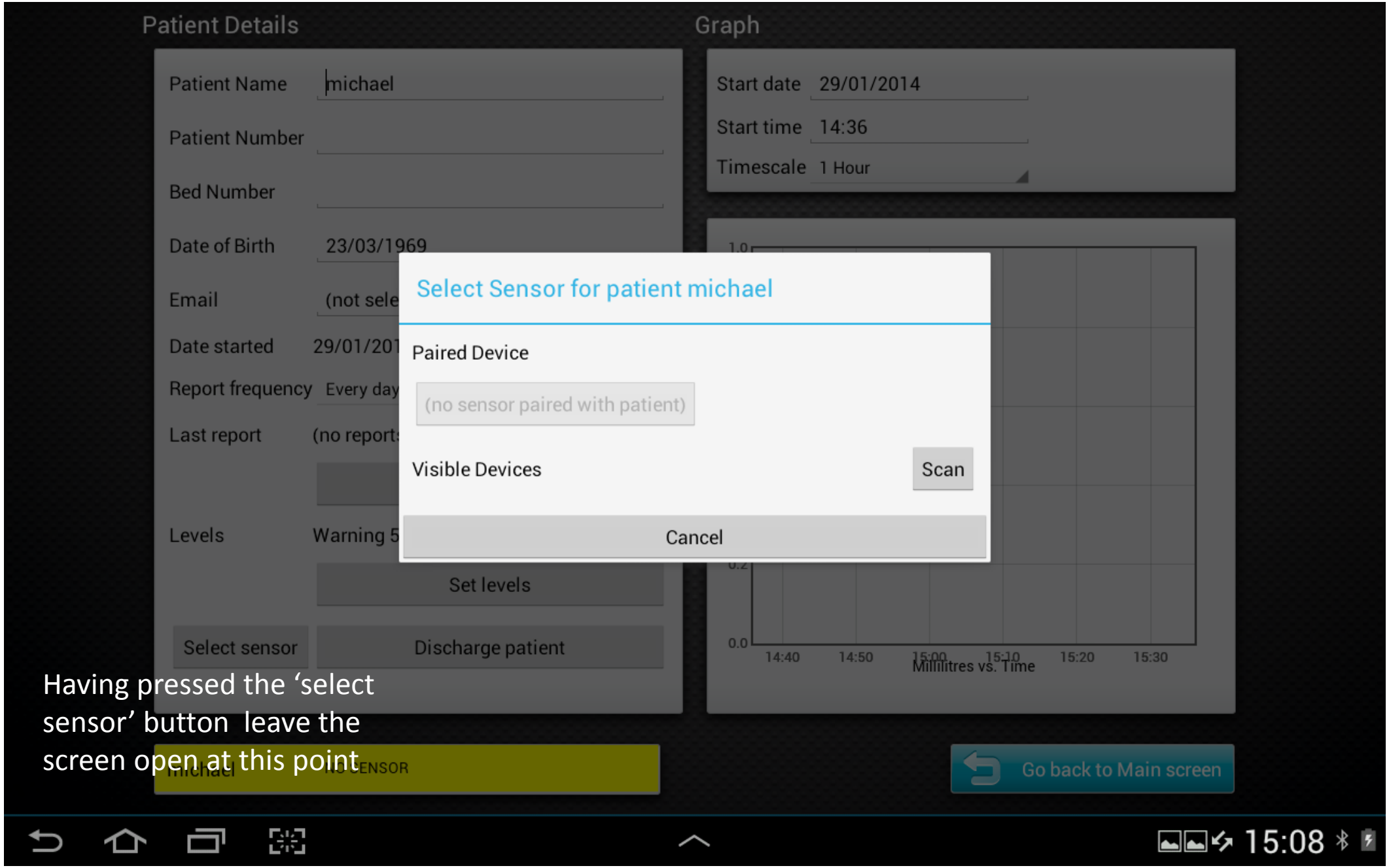
Here you are setting a specific doctor's email for the patient. Each patient may well have a different doctor.

This is different to the email in the settings menu that enables you to set one generic email for all patients



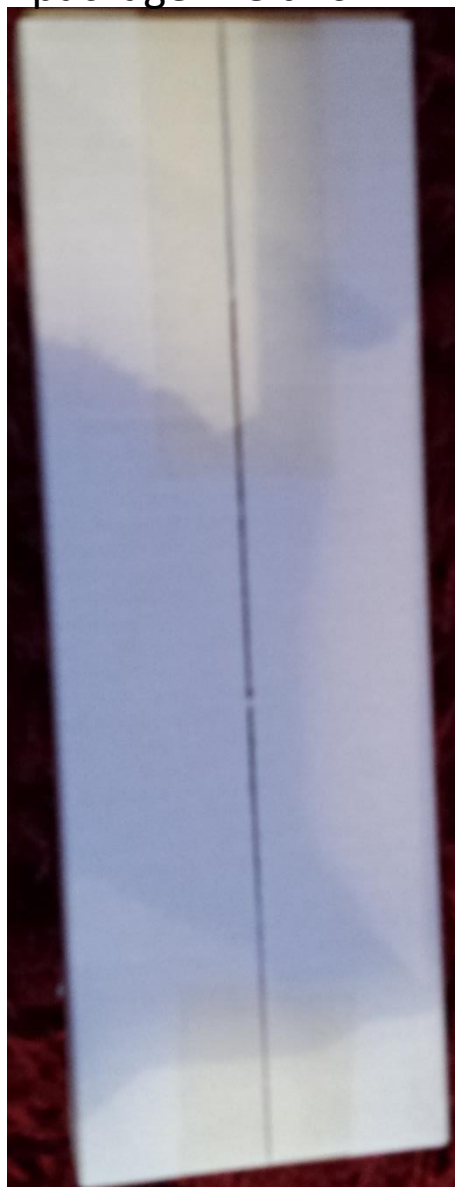
Note the select sensor box here. It is almost time to pair the device to the tablet – click this now

Here is an example of some settings added



Having pressed the ‘select sensor’ button leave the screen open at this point

Open your sensor which arrives in a package like this



Taking the sensor out of the package it looks like this

Pull the sensor out of the box from the top

The easiest way to clip the device to the pouch is to turn the pouch over and clip on the reverse side. **This is the most difficult part of the process**.

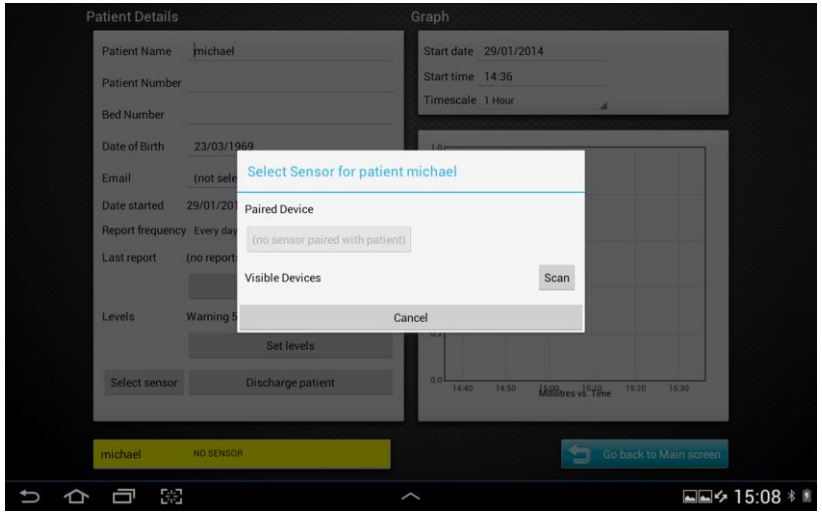
Then turn the bag over and slide the sensor down so it is straight

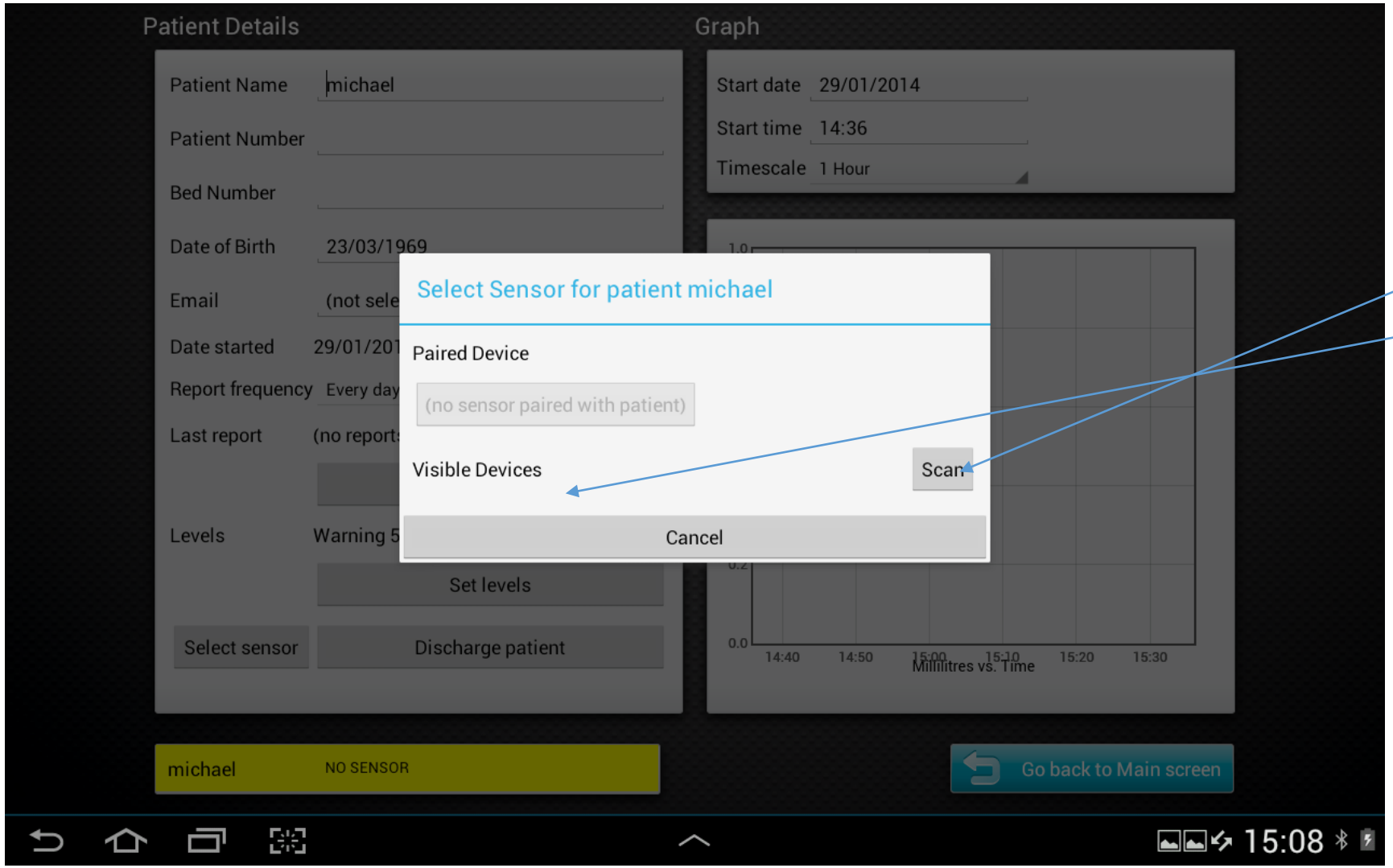
The small clip is deliberately tight to ensure it stays on. For ease, clip on to an empty unattached pouch before attaching to the skin or base plate

On the side of the main clip is a battery pull tab. Pull it out to release the battery for use

Using a small object such as a paperclip press in to the hole on the side and you will see a green light come on

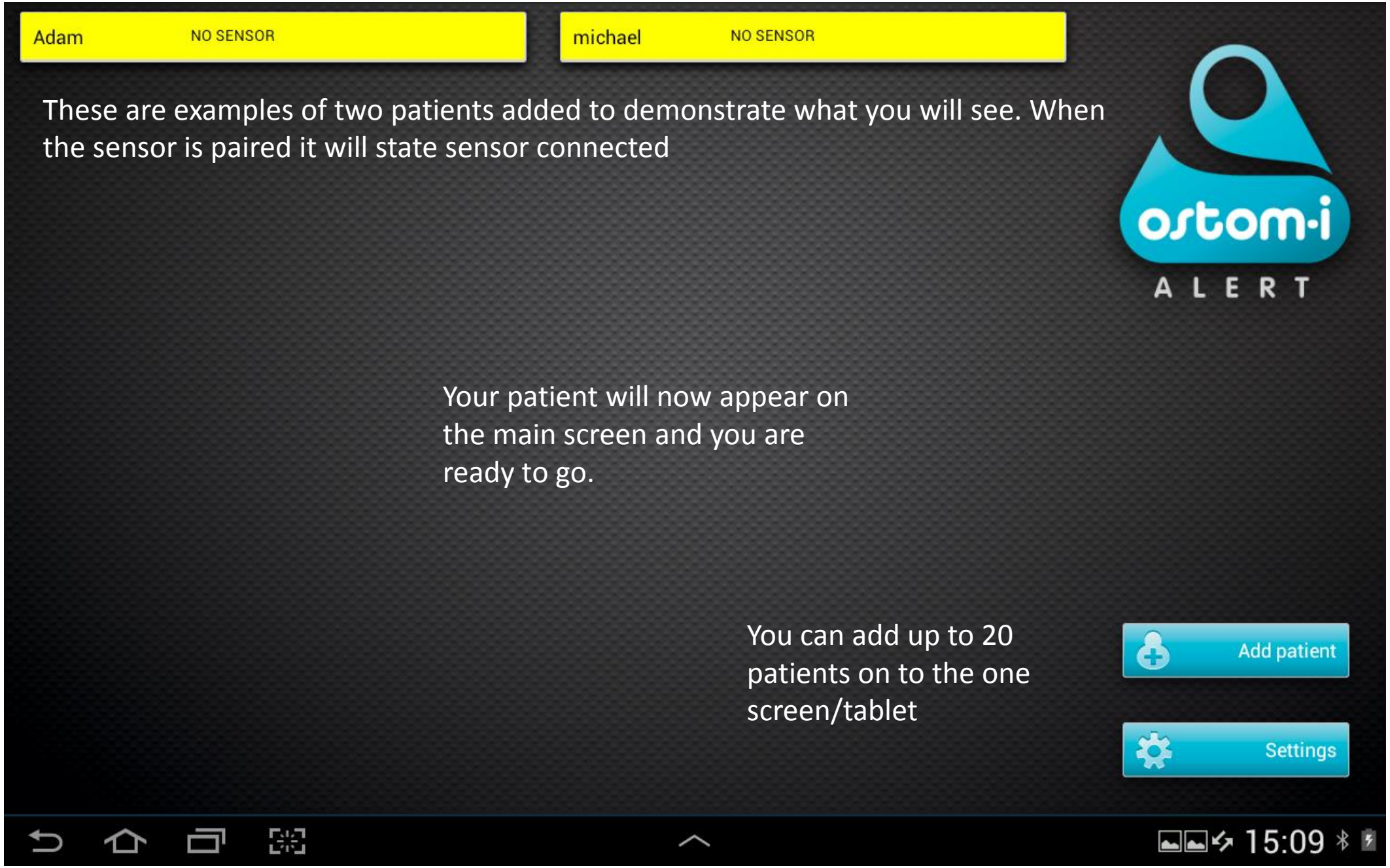
Once the green light is on the device is ready for use so return to the tablet.

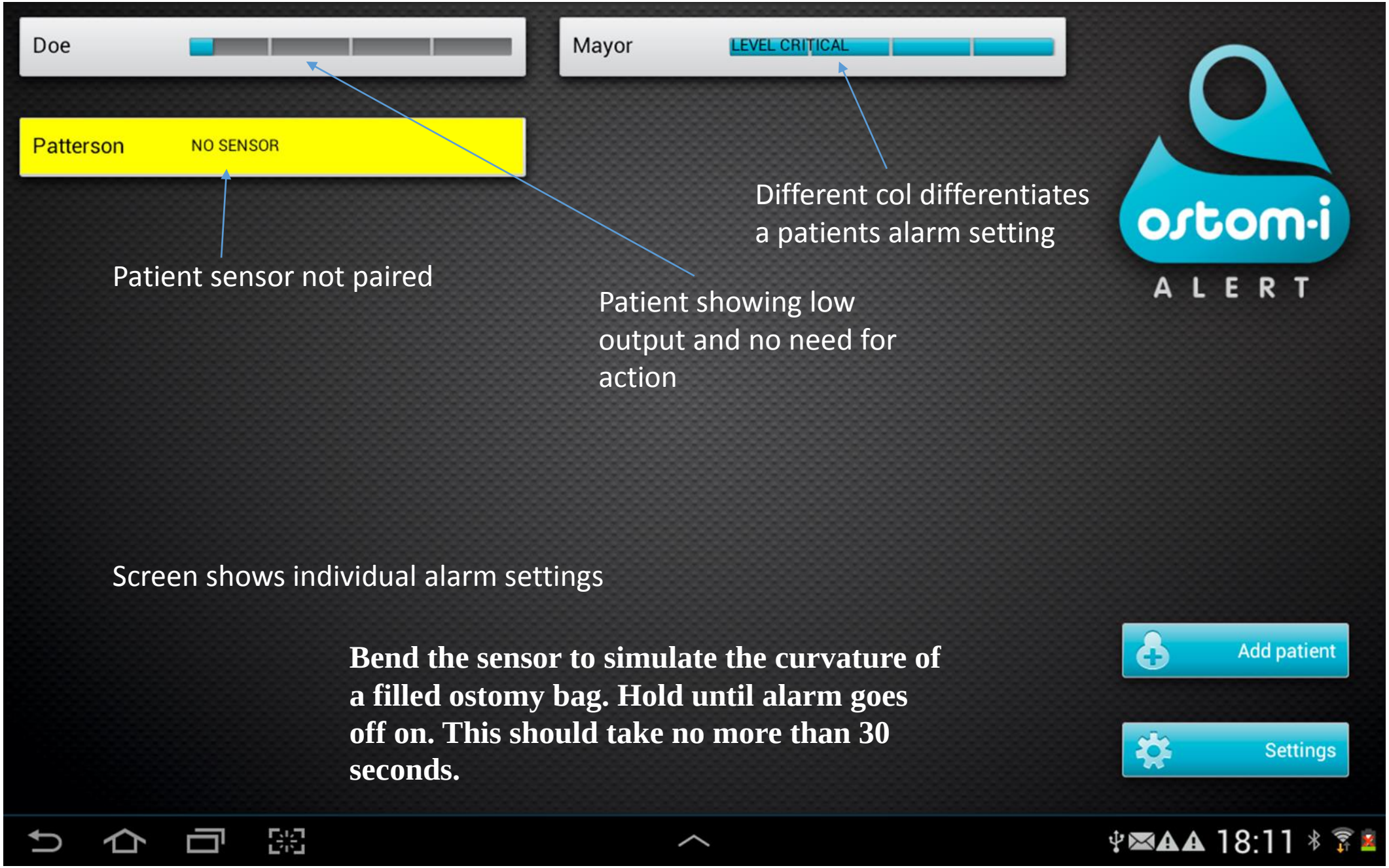


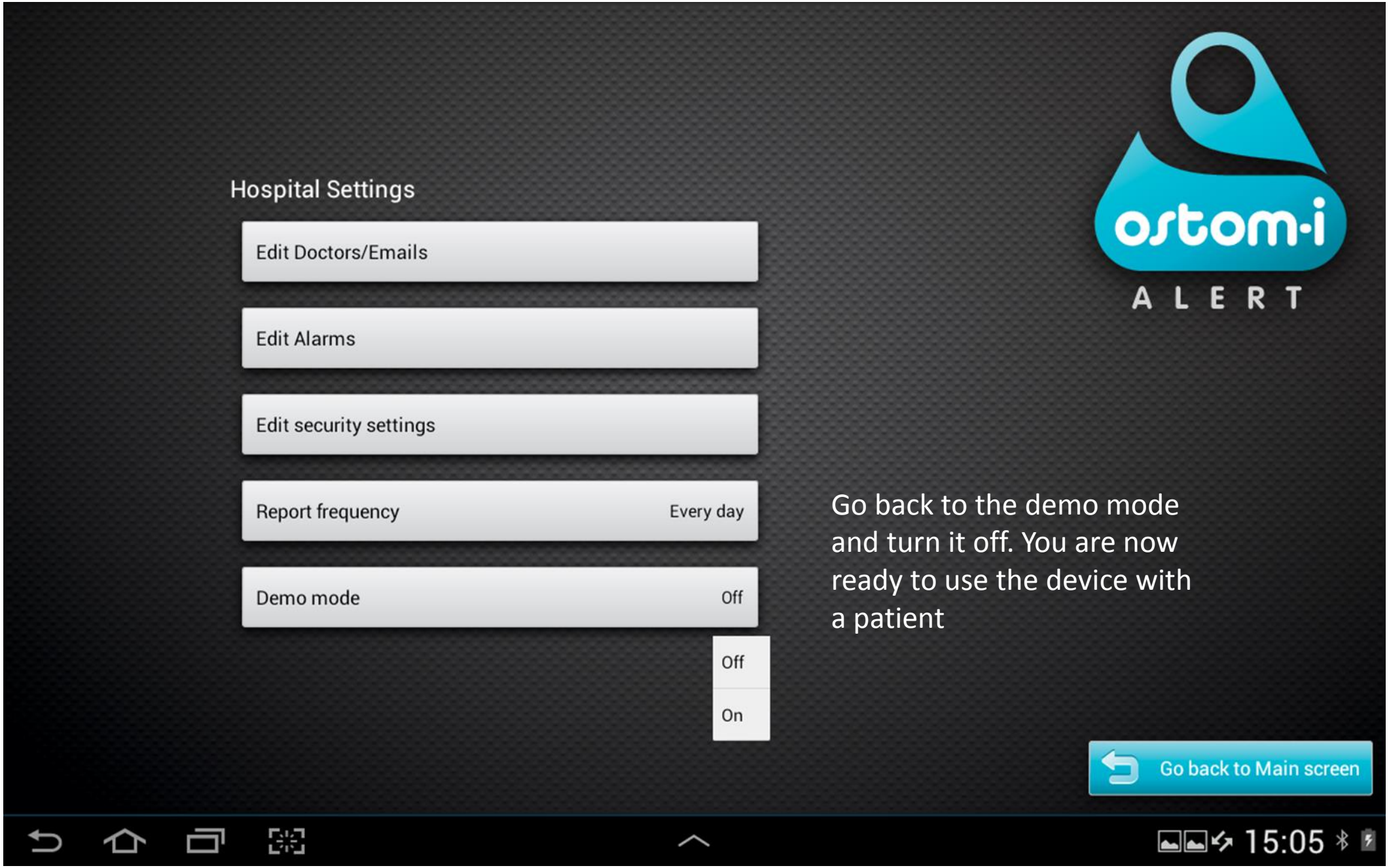


Press the scan button and you will see the device name appear under the visible devices tab. Once you see it appear the device is connected.

DO NOT WORRY IF YOU HAVE TO PRESS THE SCAN BUTTON AGAIN TO ENSURE A CONNECTION


Adam NO SENSOR
michael NO SENSOR
These are examples of two patients added to demonstrate what you will see. When the sensor is paired it will state sensor connected
ostom-i
ALERT
Your patient will now appear on the main screen and you are ready to go.
You can add up to 20 patients on to the one screen/tablet
Add patient
Settings
15:09


Doe
Mayor
LEVEL CRITICAL
Patterson
NO SENSOR
Different col differentiates a patients alarm setting
Patient sensor not paired
Patient showing low output and no need for action
ostom-i
ALERT
Screen shows individual alarm settings
Bend the sensor to simulate the curvature of a filled ostomy bag. Hold until alarm goes off on. This should take no more than 30 seconds.
Add patient
Settings
18:11


Hospital Settings
Edit Doctors/Emails
Edit Alarms
Edit security settings
Report frequency
Every day
Demo mode
Off
Off
On
ostom·i
ALERT
Go back to the demo mode and turn it off. You are now ready to use the device with a patient
Go back to Main screen
15:05

4.1 Radiated Emissions Results

Factor Set 1:	A15_13C - - CBL002_CBL069_10A	1 m cable
Factor Set 2:	- - - -	
Factor Set 3:	- - - -	
Test Equipment:	R8 A15	

4.2 RF Field Immunity Results

RF Immunity

Company:	Argon Design Ltd	*Product:*	Harold
Date:	23/05/2013	*Test Eng:*	Peter Barlow

Test Equipment: SG9 AMP5 FP3 PM1 PS2 DC002 A15 AMP9 A19 DC004 **RESULT**

Ports:				Recm'd Crit	Ach'd Crit.
Tests:	IEC61000-4-3	3V/m 80-2500MHz	1kHz 80% am		PASS
Ports:				Recm'd Crit	Ach'd Crit.
Tests:	IEC61000-4-3	3V/m 80-2500MHz	2Hz 80% am		
Ports:				Recm'd Crit	Ach'd Crit.
Tests:					

Oper. Mode	Mod State	EUT orientation	Filename	Ant-enna	Frequency Range MHz	Step Size %	Sweep Time mins	Polarisation	Field Strength V/m	Modulation %AM / freq	Notes
2	0	Pos 1	014645EA	A15	80-1000	1	6.33	V	3	80%, 1kHz	#1
2	0	Pos 1	01464540	A15	80-1000	1	6.32	H	3	80%, 1kHz	#1
2	0	Pos 1	01464B19	A19	1000-2500	1	2.52	V	3	80%, 1kHz	#1
2	0	Pos 1	01464ADE	A19	1000-2500	1	2.58	H	3	80%, 1kHz	#1
2	0	Pos 2	01464666	A15	80-1000	1	6.32	V	3	80%, 1kHz	#1
2	0	Pos 2	014646D3	A15	80-1000	1	6.30	H	3	80%, 1kHz	#1
2	0	Pos 2	01464A73	A19	1000-2500	1	2.65	V	3	80%, 1kHz	#1
2	0	Pos 2	01464AA7	A19	1000-2500	1	2.62	H	3	80%, 1kHz	#1
2	0	Pos 3	014647B0	A15	80-1000	1	6.32	V	3	80%, 1kHz	#1
2	0	Pos 3	01464745	A15	80-1000	1	6.33	H	3	80%, 1kHz	#1
2	0	Pos 3	01464A33	A19	1000-2500	1	2.82	V	3	80%, 1kHz	#1
2	0	Pos 3	014649FD	A19	1000-2500	1	2.55	H	3	80%, 1kHz	#1
2	0	Pos 4	0146481F	A15	80-1000	1	6.30	V	3	80%, 1kHz	#1
2	0	Pos 4	01464883	A15	80-1000	1	6.37	H	3	80%, 1kHz	#1
2	0	Pos 4	01464967	A19	1000-2500	1	4.57	V	3	80%, 1kHz	#1
2	0	Pos 4	014649C7	A19	1000-2500	1	2.55	H	3	80%, 1kHz	#1

4.3 Electrostatic Discharge Immunity Results

ESD

Company:	Argon Design Ltd	*Product:*	Harold
Date:	23/05/2013	*Test Eng:*	Peter Barlow

Test Equipment: WG16_WGH6 **RESULT**

Ports:				Recm'd Crit	Ach'd Crit.
Tests:	IEC 61000-4-2	2, 4, 8kV air			PASS
Ports:				Recm'd Crit	Ach'd Crit.
Tests:	IEC 61000-4-2	2, 4, 6kV contact			PASS
Ports:				Recm'd Crit	Ach'd Crit.
Tests:					

Test	Oper. Mode	Mod State	Discharges Applied to:	+ 2kV cont	- 2kV cont	+ 4kV cont	- 4kV cont	+ 6kV cont	- 6kV cont		
1	2	0	Vertical Coupling plane	#1	#1	#1	#1	#1	#1		
2	2	0	Horizontal Coupling plane	#1	#1	#1	#1	#1	#1		
3	2	0	Pos battery contact	#1	#1	#1	#1	#1	#1		
4	2	0	Neg battery contact	#1	#1	#1	#1	#1	#1		

Test	Oper. Mode	Mod State	Discharges Applied to:			+ 2kV air	- 2kV air	+ 4kV air	- 4kV air	+ 8kV air	- 8kV air
5	2	0	Around Plastic Enclosure			#2	#2	#2	#2	#2	#2
6	2	0	Around Sensor Flexi Cable			#2	#2	#2	#2	#1	#1
7	2	0	Around Reset Button hole			#2	#2	#2	#2	#1	#1
8	2	0	Around LED hole			#2	#2	#2	#2	#2	#2
9	2	0	battery disconnect slot			#2	#2	#2	#2	#2	#2

4.4 Magnetic Immunity Results

Magnetic Field Immunity

Company:	Argon Design Ltd	*Product:*	Harold
Date:	23/05/2013	*Test Eng:*	Peter Barlow

Test Equipment: SG5 TFCU02 MAG01 AMP3 **RESULT**

Ports:			Recm'd Crit	Ach'd Crit.
Tests:	IEC61000-4-8	50Hz/60Hz 3A/m		PASS
Ports:			Recm'd Crit	Ach'd Crit.
Tests:				
Ports:			Recm'd Crit	Ach'd Crit.
Tests:				

Test	Oper. Mode	Mod State	Field Applied to:	Level A/m	Frequency Hz	Orientation	Notes
1	2	0	EUT	30	50	X	#1
2	2	0	EUT	30	50	Y	#1
3	2	0	EUT	30	50	Z	#1
4	2	0	EUT	30	60	X	#1
5	2	0	EUT	30	60	Y	#1
6	2	0	EUT	30	60	Z	#1